PROJECT REFERENCE NO.	SHEET NO.
R-4903	UC-9
DESIGNED BY: BCH	
DRAWN BY: BCH	
CHECKED BY: JLT	
APPROVED BY: MRB	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151	UTILITY CONSTRUCTION PLANS ONLY

NORTH CAROLINA PROFESSIONAL SEAL 30499 ENGINEER BOBBIE M. HOUSER

Bobbie M. Houser 9/26/2014

Chad Rowser

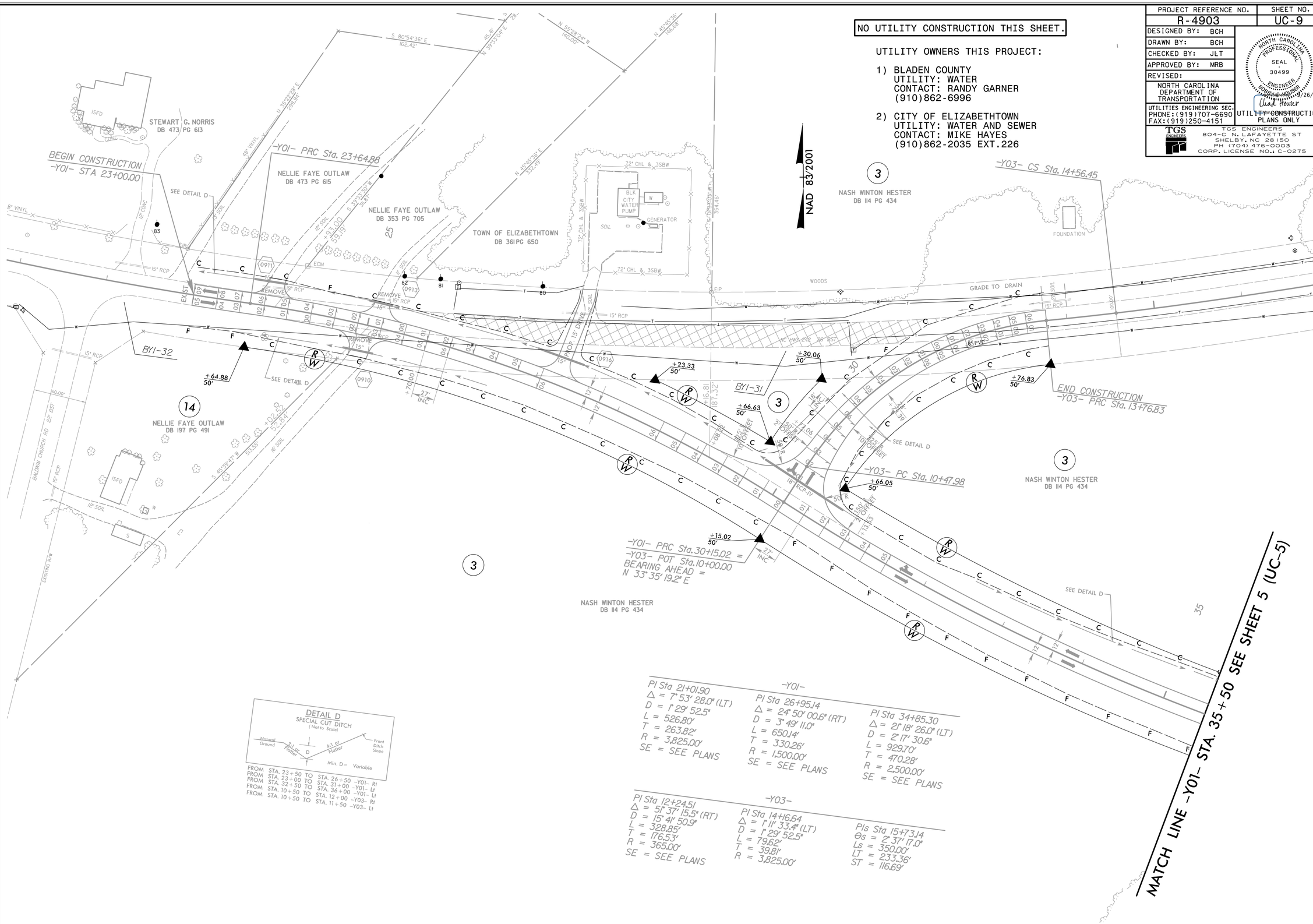
TGS ENGINEERS
TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO: C-0275

NO UTILITY CONSTRUCTION THIS SHEET.

UTILITY OWNERS THIS PROJECT:

1) BLADEN COUNTY
UTILITY: WATER
CONTACT: RANDY GARNER
(910)862-6996

2) CITY OF ELIZABETHTOWN
UTILITY: WATER AND SEWER
CONTACT: MIKE HAYES
(910)862-2035 EXT.226



DETAIL D
SPECIAL CUT DITCH
(Not to Scale)

FROM STA. 23+50 TO STA. 26+50 -Y01- Rt
FROM STA. 23+00 TO STA. 31+00 -Y01- Lt
FROM STA. 32+50 TO STA. 36+00 -Y01- Lt
FROM STA. 10+50 TO STA. 12+00 -Y03- Rt
FROM STA. 10+50 TO STA. 11+50 -Y03- Lt

-Y01-

PI Sta 21+01.90
Δ = 7° 53' 28.0" (LT)
D = 1° 29' 52.5"
L = 526.80'
T = 263.82'
R = 3,825.00'
SE = SEE PLANS

PI Sta 26+95.14
Δ = 24° 50' 00.6" (RT)
D = 3° 49' 11.0"
L = 650.14'
T = 330.26'
R = 1,500.00'
SE = SEE PLANS

PI Sta 34+85.30
Δ = 21° 18' 26.0" (LT)
D = 2° 17' 30.6"
L = 929.70'
T = 470.28'
R = 2,500.00'
SE = SEE PLANS

-Y03-

PI Sta 12+24.51
Δ = 51° 37' 15.5" (RT)
D = 15° 41' 50.9"
L = 328.85'
T = 176.53'
R = 365.00'
SE = SEE PLANS

PI Sta 14+16.64
Δ = 1° 11' 33.4" (LT)
D = 1° 29' 52.5"
L = 79.62'
T = 39.81'
R = 3,825.00'

PIs Sta 15+73.14
Θs = 2° 37' 17.0"
Ls = 350.00'
LT = 233.36'
ST = 116.69'

5/14/99

9/2/2014
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